

## **IS YOUR PRODUCT PKI ENABLED?**

If so, contact JITC for all your testing needs. The JITC DOD PKI Laboratory fulfills a crucial role in helping the DOD PKI reach its target of supporting a broad range of security-enabled applications and providing for secure interoperability between the DOD and its federal, allied, and commercial partners. By helping PKI customers better understand the implications associated with PKI deployment and utilization in applications, the JITC can better prepare them for PKI's deployment.

**CALL US TODAY**  
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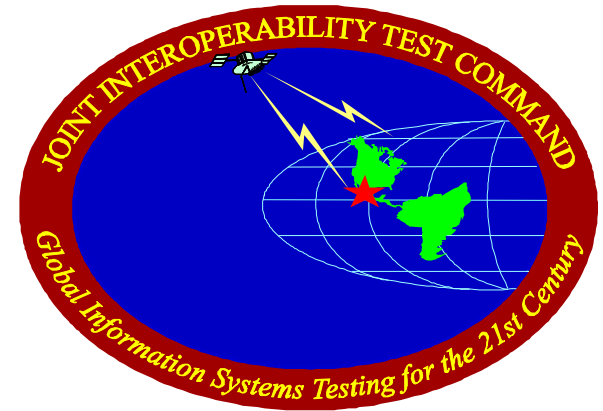
***The Premier DOD PKI Test  
Facility***

***Joint Interoperability Test Command***  
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***Support for the Warfighter....Anytime....Anyplace***

***THE DOD  
PUBLIC KEY  
INFRASTRUCTURE (PKI)  
TEST FACILITY***



***Joint Interoperability Test  
Command***

## INTRODUCTION

*JITC is the premier DOD Public Key Infrastructure (PKI) test organization. We provide support to DOD and commercial partners to help successfully deploy a fully interoperable PKI.*

PKI is an integral part of the DOD's Information Security strategy. The DOD is committed to using PKI. Services, Agencies, developers, and vendors must prepare for the deployment of PKI services. The JITC can help you in that preparation! Our PKI Test Laboratory and team are strategically positioned to provide necessary services to DOD PKI customers and vendors. JITC provides an environment to test applications for interoperability with existing and planned DOD PKI technologies. What this means for you and your organization is a smooth and seamless integration with DOD PKI.

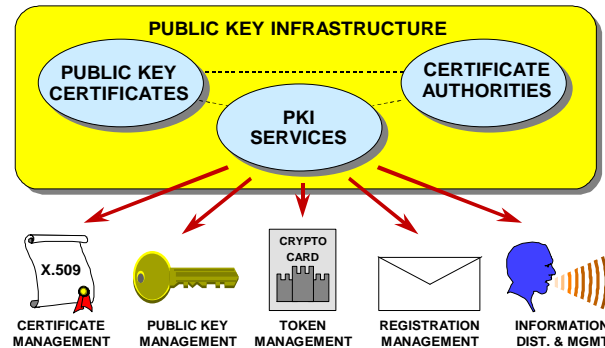
## JITC PKI LAB CONFIGURATION

The JITC Test Laboratory is a copy of the operational DOD PKI Class 3 Environment. Class 3 Environments handle applications with medium- value information in a low to medium risk environment. The lab provides the same PKI operations as the DOD PKI installed at the Regional Support Activities (RSA). The lab can do all the functions of the operational DOD PKI but in a test environment.

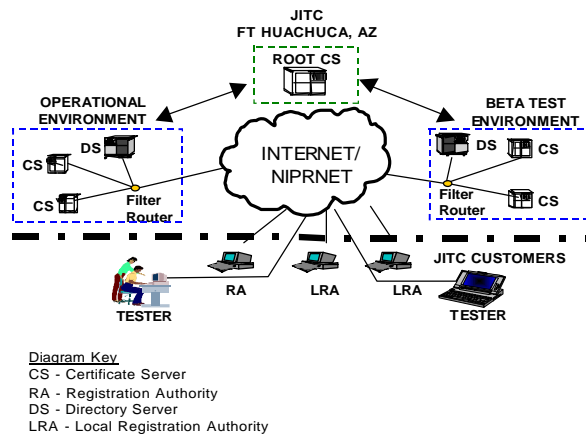
The current configuration of the lab is shown in the JITC PKI TEST ENVIRONMENT diagram on the right. JITC plans to continue building upon the DOD PKI Lab and increase capabilities as a test facility. The plans include upgrading to Class 4 and eventually Class 5 PKI. Class 4 is intended for applications handling medium to high value information in any environment. Class 5 is intended for applications handling high-value information in a high-risk environment.

In addition to serving as a test site for applications enabled by PKI, the lab provides a test environment for the operational DOD PKI, a Beta test environment for planned DOD PKI releases, as well as other environments as needed.

## PKI CONCEPT



## JITC PKI TEST ENVIRONMENT



## THE JITC PKI CAN BENEFIT YOU

The services and products offered by the JITC PKI Lab will do the following for your organization:

- ◆ Compatibility and interoperability with existing and planned PKI technologies and applications.
- ◆ Improve product quality and functionality.
- ◆ Reduce technical risk.
- ◆ Make comprehensive PKI efforts more affordable.
- ◆ Offer a wide range of PKI certifications.

## JITC PKI LAB CAPABILITIES

The JITC PKI Lab is capable of simulating PKI-enabled products and applications. Below are several of the functions we perform for Government and commercial PKI-enabled applications and products.

- ◆ **Formalized Interoperability Testing**
- ◆ **Regression Testing**
- ◆ **Message Transfer Load Testing**
- ◆ **Network Analysis**
- ◆ **Electronic Commerce Environment Simulation**
- ◆ **Conformance/Compliance Testing**
- ◆ **Certification Letters**
- ◆ **Protocol Implementation Testing**

## FLEXIBLE CONFIGURATIONS

To provide environments for various test scenarios, the JITC PKI Laboratory may be configured in a wide variety of ways offering versatile connectivity and multiple capabilities.

## JITC PKI CERTIFICATE AND DIRECTORY SERVICES

JITC is the official DOD test facility for the issuance of PKI Class 3 test certificates. The following are services we provide for those organizations and programs that perform their own testing.

- ◆ **Operational and Developmental Certificate Services**
  - ◆ Digital Signature/SSL end-user certificates
  - ◆ Encryption end-user certificates
  - ◆ Server certificates
- ◆ **Operational and Developmental Directory Services**
  - ◆ Directory services
  - ◆ Certificate Revocation Lists (CRLs) and services